

Website: lukedemas.com

GitHub: [luke-demas](https://github.com/luke-demas)

LinkedIn: [lukedemas](https://www.linkedin.com/in/lukedemas)

Fairfax, VA

ldemas@gmu.edu

(202) 713-0742

LUKE DEMAS

EDUCATION

Fairfax, VA	George Mason University	Graduating May 2023
<ul style="list-style-type: none">• Bachelor of Science Computer Science, School of Computing (cumulative GPA: 3.33)• Relevant Coursework: Object Oriented Programming; Data Structures; Software Engineering; Algorithms; Operating Systems; AI; Data Mining; Digital Electronics; Mobile App Development; Calculus III		

TECHNICAL EXPERIENCE

Projects

- **Trash Scan** (1st Place Hackathon Project) – Android application prototype utilizing Microsoft’s Lobe machine learning algorithm to decide if waste should be recycled, trashed, or composted. Worked on implementing the ML using Bootstrap and Kotlin. Sustainability Track winner, PatriotHacks 2022
- **Virtual Machine Schedule Processor** (Academic Project) – Implemented a series of functions for the KAIA virtual system to let the machine know which process is the best one to pick next. Programmed in C utilizing linked lists as queues, bitwise operations, thread locks, and concurrency
- **Graph Algorithm Simulator** (Academic Project) – Added classes to an established library that visualizes graph data structures in a GUI to simulate traversal of the Travelling Salesperson Problem by permutation and approximation algorithms. Programmed in Java utilizing a minimum spanning tree and Big-O optimization
- **Cowboy Space Panda** (Personal Project) – Simple JavaScript computer game exported to HTML5 and published on itch.io. Programmed using object-oriented programming principles

ACHIEVEMENTS AND LEADERSHIP

-
- **George Mason University Honors College:** Member of the Honors College
 - **Dean’s List:** Fall 2019, Fall 2020. Awarded for academic accomplishment
 - **Diva Crows Wildlife Rehab:** Volunteer assisting with bird handling, care, feeding, and humane education
 - **Alpha Kappa Chi:** Environmentally focused fraternity, discuss the role of technology in the environment

Languages and Technologies

-
- Java; C; C++; Python; Kotlin; HTML; CSS; JavaScript; SQL
 - UNIX; git; Visual Studio; Eclipse; Android Studio; Linux; Jira